

LIQUID DAMPING TYPE VIBRO-ISOLATING MOUNT**Publication number:** JP63030623**Publication date:** 1988-02-09**Inventor:** OKAMOTO SHUICHI; OTANI WAHEI**Applicant:** TOYO TIRE & RUBBER CO**Classification:**

- international: *F16F13/00; B60K5/12; F16F13/10; F16F13/26;
F16F13/00; B60K5/12; F16F13/04; (IPC1-7): B60K5/12;
F16F13/00*

- European: *F16F13/10*

Application number: JP19860172419 19860721**Priority number(s):** JP19860172419 19860721

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Abstract of JP63030623

PURPOSE: To avoid rapid rise of liquid pressure so as to attempt easement of impact by providing a switching passage at a partitioning member by means of a fixed side supporting member and a mobile side partitioning plate, in a chamber filled with liquid. **CONSTITUTION:** A chamber of a closed structure is formed in a body 1 and partitioned into two chambers 8 and 9 by a partitioning member 7. The partitioning member 7 is constituted by a partitioning plate 10 having a mobile plate 19 and a ring-shaped supporting member 11, and the mobile plate 19 is engagingly locked on the partitioning plate 10. Moreover, the partitioning plate 10 and the supporting member 11 have a switching passage 16 and, an orifice 15 is provided at the ring part of the supporting member 11. When this vibro-isolating mount receives an input accompanied by its rapid change, the partitioning plate 10 moves against a spring 14 toward the chamber 9 opposite to the chamber 8 in which pressure has rapidly become positive, and the switching passage 16 is opened, so that transfer of liquid between the both chambers 8 and 9 is executed rapidly and any increase in a dynamic spring constant is prevented in advance.

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